

|             |            |             |            |            |            |      |
|-------------|------------|-------------|------------|------------|------------|------|
| ctagggcgct  | ggcaagtgtg | gcggtcacgc  | tgcgcgtaac | caccacaccc | gccgcgctta | 3120 |
| atgcgcgcgt  | acagggcgcg | taaaaggatc  | taggtgaaga | tcctttttga | taatctcatg | 3180 |
| acaaaaatcc  | cttaacgtga | gttttcgttc  | cactgagcgt | cagaccccg  | agaaaagatc | 3240 |
| aaaggatctt  | cttgagatcc | tttttttctg  | cgcgtaatct | ggtgcttgca | aacaaaaaaa | 3300 |
| ccaccgctac  | cagcgggtgt | ttgtttgccg  | gatcaagagc | taccaactct | ttttccgaag | 3360 |
| gtaactggct  | tcagcagagc | gcagatacca  | aatactgttc | ttctagtgtg | gccgtagtta | 3420 |
| ggccaccact  | tcaagaactc | tgtagcaccc  | cctacatacc | tcgctctgct | aatcctgtta | 3480 |
| ccagtggctg  | ctgccagtgg | cgataagtgc  | tgtcttaccg | ggttggtact | aagacgatag | 3540 |
| ttaccggata  | aggcgcagcg | gtcgggctga  | acgggggggt | cgtgcacaca | gccagccttg | 3600 |
| gagcgaacga  | cctacaccga | actgagatac  | ctacagcgtg | agctatgaga | aagcgccacg | 3660 |
| cttcccgaag  | ggagaaaggc | ggacaggtat  | ccggtaaagc | gcagggtcgg | aacaggagag | 3720 |
| cgcacgaggg  | agcttccagg | gggaaacgcc  | tggtatcttt | atagtccctg | cgggtttcgc | 3780 |
| cacctctgac  | ttgagcgtcg | atttttgtga  | tgtcgtcag  | gggggcggag | cctatggaaa | 3840 |
| aacgcccaga  | acgcggcctt | tttacggttc  | ctggcctttt | gctggccttt | tgtccacatg | 3900 |
| taatgtgagt  | tagctcactc | attaggcacc  | ccaggcttta | cactttatgc | ttccggctcc | 3960 |
| tatgttgtgt  | ggaattgtga | gcggataaca  | atttcacaca | ggaaacagct | atgaccatga | 4020 |
| ttacgccaag  | ctacgtaata | cgactcacta  | ggcggccgcg | tttaacaat  | gtgctcctct | 4080 |
| ttggcttgct  | tcgcgcggcc | aagccagaca  | agaaccagtt | gacgtcaagc | ttcccgggac | 4140 |
| gcgtgctagc  | ggcgcgcgca | attcctgcag  | gattcgaggg | cccctgcagg | tcaattctac | 4200 |
| cgggtagggg  | aggcgccttt | cccaaggcag  | tctggagcat | gcgcttttag | agccccgctg | 4260 |
| gcactttggc  | ctacacatgg | ggcctctggc  | ctcgcacaca | ttccacatcc | accggtagcg | 4320 |
| ccaaccggct  | ccgttctttg | gtggccccct  | cgcgccacct | tctactcctc | ccctagtcag | 4380 |
| gaagtcccc   | cccgcgccgc | agctcgcgtc  | gtgcaggacg | tgacaaatgg | aagtagcacg | 4440 |
| tctcactagt  | ctcgtgcaga | tggacagcac  | cgctgagcaa | tggaaagcgg | taggcctttg | 4500 |
| gggcagcggc  | caatagcagc | tttgcctcct  | cgcttctctg | gctcagaggc | tgggaagggg | 4560 |
| tgggtccggg  | ggcgggctca | ggggcgggct  | caggggcggg | gcgggcgcga | aggtcctccc | 4620 |
| gaggcccggc  | attctcgcac | gcttcaaaag  | cgcacgtctg | ccgcgctgtt | ctcctcttcc | 4680 |
| tcactctcgg  | gcctttcgac | ctgcagccaa  | tatgggatcg | gccattgaac | aagatggatt | 4740 |
| gcacgcagg   | tctccggcgg | cttgggtgga  | ggctatttc  | ggctatgact | gggcacaaca | 4800 |
| gacaatcggc  | tgtctgtatg | ccgcctgtgt  | ccggctgtca | gcgcaggggc | gcccggttct | 4860 |
| ttttgtcaag  | accgacctgt | ccgggtgccct | gaatgaactg | caggacgagg | cagcgcggct | 4920 |
| atcgtggctg  | gccacgacgg | gcgttccttg  | cgcagctgtg | ctcgacgttg | tactgaagc  | 4980 |
| gggaagggac  | tggctgctat | tgggcgaagt  | gccggggcag | gatctcctgt | catctcacct | 5040 |
| tgtcctgcc   | gagaaagtat | ccatcatggc  | tgatgcaatg | cggcggtctg | atacgttga  | 5100 |
| tccggtacc   | tgcccattcg | accaccaagc  | gaaacatcgc | atcgagcgag | cacgtactcg | 5160 |
| gatggaagc   | ggtcttgctg | atcaggttgc  | tctggacgaa | gagcatcagg | ggctcgcgc  | 5220 |
| agccgaactg  | ttcgccaggc | tcaaggcgcg  | catgcccgac | ggcgatgac  | tcgtcgtgac | 5280 |
| ccatggcgat  | gcctgcttgc | cgaatatcat  | ggtggaaaat | ggcgcgtttt | ctggattcat | 5340 |
| cgactgtggc  | cggctgggtg | tggcggaccg  | ctatcaggac | atagcgttgg | ctaccctga  | 5400 |
| tattgctgaa  | gagcttgccg | gcgaatgggc  | tgaccgcttc | ctcgtgcttt | acggtatcgc | 5460 |
| cgctcccgat  | tcgcagcgca | tcgccttcta  | tcgccttctt | gacgagttct | tctgagggga | 5520 |
| tcgatccgtc  | ctgtaagtct | gcagaaattg  | atgatctatt | aaacaataaa | gatgtccact | 5580 |
| aaaaatggaag | tttttctgt  | catactttgt  | taagaagggt | gagaacagag | tacctacatt | 5640 |
| ttgaatggaa  | ggattggagc | tacgggggtg  | gggtgggggt | gggattagat | aaatgcctgc | 5700 |
| tctttactga  | aggctcttta | ctattgcttt  | atgataatgt | ttcatagtgt | gatatcataa | 5760 |
| tttaaacaaag | caaaacccaa | ttaagggcca  | gctcattcct | cccactcatg | atctatagat | 5820 |
| ctatagatct  | ctcgtgggat | cattgttttt  | ctcttgatc  | ccactttgtg | gttctaagta | 5880 |
| ctgtgggttc  | caaatgtgtc | agtttcatag  | cctgaagaac | gagatcagca | gcctctgttc | 5940 |
| cacatacact  | tcattctcag | tattgttttg  | ccaagttcta | attccatcag | aagctgactc | 6000 |
| tagatctgga  | tcggccagc  | taggcgcgtg  | acctcgagt  | atcaggtacc | aaggtcctcg | 6060 |
| ctctgtgtcc  | gttgagctcg | acgacacagg  | acacgcaaat | taattaaggc | cggcccgtag | 6120 |
| cctctagtca  | aggccttaag | tgagtcgtat  | tacggactgg | ccgtcgtttt | acaacgtcgt | 6180 |
| gactgggaaa  | accttgccgt | tacccaactt  | aatcgccttg | cagcacatcc | ccctttcgcc | 6240 |
| agctggcgta  | atagcgaaga | ggccgcaccc  | gatcgcctt  | cccaacagtt | gcgcagcctg | 6300 |
| aatggcgaat  | ggcgcttcgc | ttggtaataa  | agcccgcttc | ggcgggcttt | ttttt      | 6355 |

<210> 3

<211> 26

<212> DNA

<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 3  
tgtgtcctc tttggcttgc ttccaa

26

<210> 4  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 4  
ttggaagcaa gccaaagagg agcaca

26

<210> 5  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 5  
ctgggttcttg tctggcttgg cccaa

25

<210> 6  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 6  
ttgggccaag ccagacaaga accag

25

<210> 7  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 7  
ggtcctcgct ctgtgtccgt tgaa

24

<210> 8  
<211> 24  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 8  
ttcaacggac acagagcgag gacc

24

<210> 9  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 9  
tttgcggtgctc ctgtgctgctc gaa

23

<210> 10  
<211> 23  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 10  
ttcgacgaca caggacacgc aaa

23

<210> 11  
<211> 28  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 11  
aatgtgctcc tctttggctt gcttccgc

28

<210> 12  
<211> 26  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 12  
ggaagcaagc caaagaggag cacatt

26

<210> 13  
<211> 27  
<212> DNA  
<213> Artificial Sequence

<220>  
<223> Phage vector

<400> 13  
aactggttct tgtctggctt ggcccgc

27

<210> 14  
<211> 25  
<212> DNA  
<213> Artificial Sequence

<220>